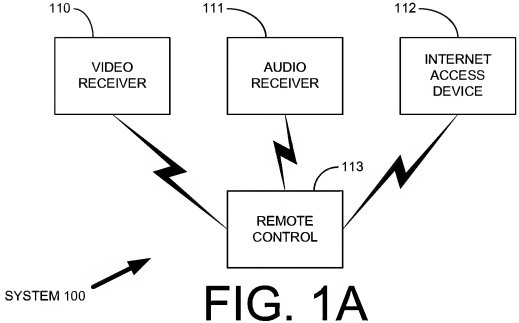
110
111
112
VIDEO RECEIVER
AUDIO RECEIVER
INTERNET ACCESS DEVICE
113
REMOTE CONTROL
SYSTEM 100

FIG. 1A

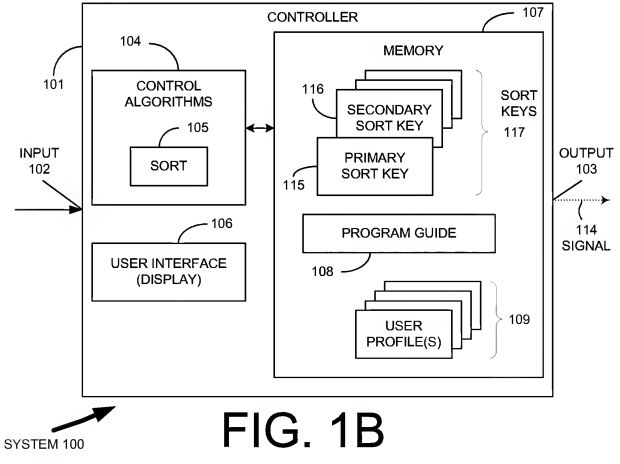
CONTROLLER
107
104
101
MEMORY
CONTROL ALGORITHMS
105
SORT
116
SECONDARY SORT KEY
SORT KEYS
117
PRIMARY SORT KEY
115
INPUT 102
OUTPUT 103
114 SIGNAL
106
USER INTERFACE (DISPLAY)
PROGRAM GUIDE
108
USER PROFILE(S)
109
SYSTEM 100

FIG. 1B

USER INTERFACE DISPLAY 200
201 USER CONTROL
FIND TV
THEMES
SHOWS
MOVIES
SPORTS
PROFILES
MARGARITE
WARRIOR PRINCESS (100)
CONTACT (95)
FULL HOUSE (95)
THE LOST WORLD (95)
CLEOPATRA (85)
ROSWELL (80)
ANGEL (75)
KIDS HOSPITAL (75)
THE MATRIX (75)
BUFFY (50)
7TH HEAVEN (50)
REN AND STIMPY (45)
TIME: 12:00 LENGTH: 30
CHANNEL: HYPX
GENRE: ACTION, ADVENTURE, DRAMA, FICTION
ACTORS: GINA TORRES, JENNIFER SKY
HEL SARGE AND CLEO MUST PREVENT A SUPPLY OF PLUTONIUM FROM GETTING INTO THE WRONG HANDS.
STORE
STORE ALL
222
PROGRAM LIST
SCAN
SORT

FIG. 2A

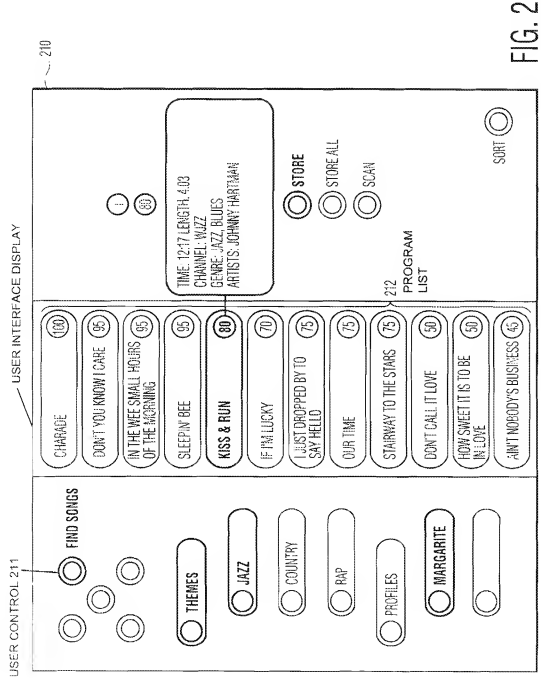
USER CONTROL 211
USER INTERFACE DISPLAY
210
FIND SONGS
THEMES
JAZZ
COUNTRY
RAP
PROFILES
MARGARITE
CHARADE (100)
DON'T YOU KNOW I CARE (95)
IN THE WEE SMALL HOURS OF THE MORNING (95)
SLEEPIN' BEE (95)
KISS & RUN (80)
IF I'M LUCKY (70)
I JUST DROPPED BY TO SAY HELLO (75)
OUR TIME (75)
STAIRWAY TO THE STARS (75)
DON'T CALL IT LOVE (50)
HOW SWEET IT IS TO BE IN LOVE (50)
AIN'T NOBODY'S BUSINESS (45)
1
60
TIME: 12:17 LENGTH: 4:03
CHANNEL: WJZZ
GENRE: JAZZ, BLUES
ARTISTS: JOHNNY HARTMAN
STORE
STORE ALL
SCAN
212
PROGRAM LIST
SORT

FIG. 2B

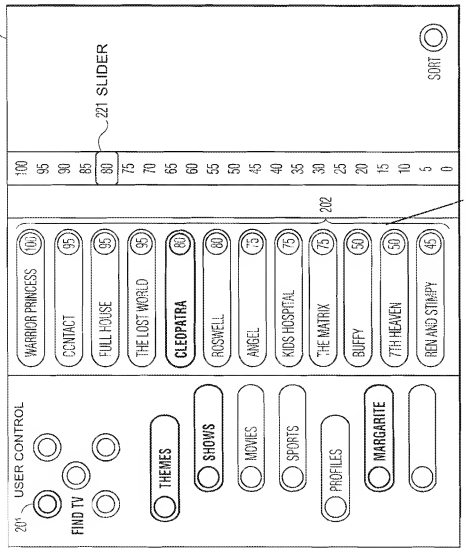
USER INTERFACE DISPLAY
220
201
USER CONTROL
FIND TV
THEMES
SHOWS
MOVIES
SPORTS
PROFILES
MARGARITE
WARRIOR PRINCESS (100)
CONTACT (95)
FULL HOUSE (95)
THE LOST WORLD (95)
CLEOPATRA (80)
ROSWELL (60)
ANGEL (13)
KIDS HOSPITAL (75)
THE MATRIX (75)
BUFFY (50)
7TH HEAVEN (50)
REN AND STIMPY (45)
202
PROGRAM LIST
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
221 SLIDER
SORT

FIG. 2C

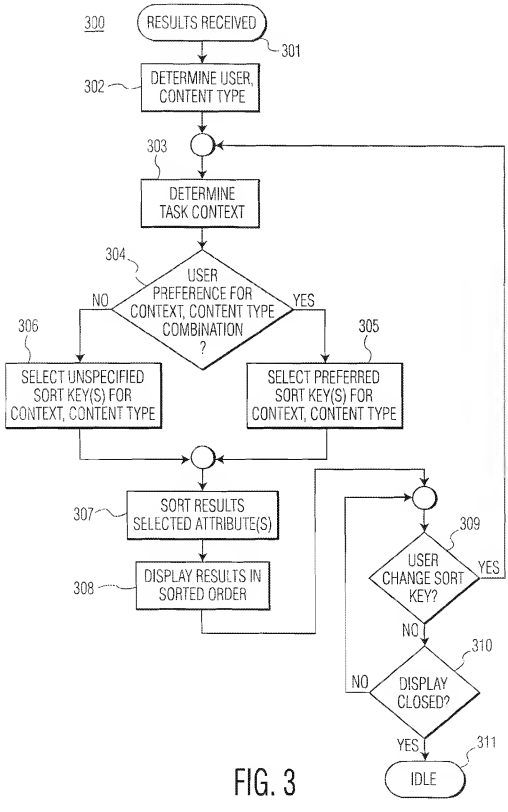
300
RESULTS RECEIVED
301
302
DETERMINE USER, CONTENT TYPE
303
DETERMINE TASK CONTEXT
304
USER PREFERENCE FOR CONTEXT, CONTENT TYPE COMBINATION ?
NO
YES
306
SELECT UNSPECIFIED SORT KEY(S) FOR CONTEXT, CONTENT TYPE
305
SELECT PREFERRED SORT KEY(S) FOR CONTEXT, CONTENT TYPE
307
SORT RESULTS SELECTED ATTRIBUTE(S)
308
DISPLAY RESULTS IN SORTED ORDER
309
USER CHANGE SORT KEY?
YES
NO
310
DISPLAY CLOSED?
NO
YES
311
IDLE

FIG. 3